

AUTHOR INDEX TO VOLUME 7

- Angers, R., see Z. Qin 7 (1988) 149
- Ardizzone, S. and L. Formaro, Influence of supporting electrolytes on the rate of deposition of γ -FeOOH from Fe^{2+} ions 7 (1988) 83
- Badekas, H., see C. Panagopoulos 7 (1988) 201
- Bajorek, A., see Z. Tomkowicz 7 (1989) 375
- Balachandran, U., see J.P. Singh 7 (1988) 72
- Balachandran, U., see K.C. Goretta 7 (1988) 161
- Balanda, M., see Z. Tomkowicz 7 (1989) 375
- Basu, R.N., A. Sen, A. Das Sharma, S. Sen and H.S. Maiti, Effect of preparation conditions on the orientation of Y-Ba-Cu oxide powders during X-ray diffractometry 7 (1988) 75
- Basu, S., J.N. Roy and D.N. Bose, Characterization of grain boundary in polycrystalline n-InP grown by the gradient freeze method 7 (1989) 359
- Bauer, G., see H. Clemens 7 (1988) 127
- Bhalla, A., see M.T. Lanagan 7 (1989) 437
- Bhalla, A.S., see K. Rittenmyer 7 (1989) 380
- Bhargava, A., R.L. Snyder and R.A. Condrate Sr., Preparation of BaTiO_3 glass-ceramics in the system Ba-Ti-B-O. I 7 (1988) 185
- Bhargava, A., R.L. Snyder and R.A. Condrate Sr., Preparation of BaTiO_3 glass-ceramic in the system Ba-Ti-B-O. II 7 (1988) 190
- Bloom, I., see K.C. Goretta 7 (1988) 161
- Boldyrev, V., see E. Ivanov 7 (1988) 51
- Boldyrev, V., see E. Ivanov 7 (1988) 55
- Bomchil, G., see L. Vescan 7 (1988) 94
- Bose, D.N., see S. Basu 7 (1989) 359
- Bowden, D.M. and M. Mendiratta, Phase selection in rapidly solidified niobium-silicon alloys 7 (1988) 146
- Brightwell, J.W., see A.G.J. Green 7 (1988) 19
- Bryan, R.P., see G.E. Fernández 7 (1988) 118
- Butler, J.E., see L.M. Hanssen 7 (1988) 289
- Butt, M.Z., S.A. Chaudhary and I.M. Ghauri, Sensitivity of the anomalous yielding behaviour at low temperatures to the nature of solute distribution in solid-solution crystals 7 (1989) 347
- Cahen, D., see M. Schwartz 7 (1989) 411
- Calhoun, C.S., see W. Zhu 7 (1988) 247
- Campi, D. and C. Coriasso, Relationships between optical properties and band parameters in amorphous tetrahedrally bonded materials 7 (1988) 134
- Capone II, D.W., see K.C. Goretta 7 (1988) 161
- Carrington, W.A., see L.M. Hanssen 7 (1988) 289
- Carturan, G., G. Cocco, S. Enzo, R. Ganzerla and M. Lenarda, Hexagonal close packed nickel powder: synthesis, structural characterization and thermal behavior 7 (1988) 47

- Celaya, L.E., see Ma.J. Orts 7 (1988) 106
- Champagne, B., see L. Parent 7 (1989) 367
- Chan, J.-J. and S.-C. Chang, The formation of AlN in austenitic Fe-Mn-Al alloy at 1000°C 7 (1988) 115
- Chang, L.L., see H. Clemens 7 (1988) 127
- Chang, S.-C., see J.-J. Chan 7 (1988) 115
- Chaudhary, S.A., see M.Z. Butt 7 (1989) 347
- Chen, N., see K.C. Goretta 7 (1988) 161
- Cheng, D.L., see X.Y. Zhou 7 (1989) 473
- Cheung, C.T. and E. Ruckenstein, Interactions of the Y-Ba-Cu-O superconductor with various oxide and metallic substrates 7 (1988) 172
- Chevrel, R., M. Hirrien, M. Sergent, M. Couach, P. Dubots and P. Genevey, Cold-powder metallurgy-processed Chevrel-phase superconducting wires. II. Reacted "in situ" PbMo₆S₈ powder 7 (1989) 425
- Chou, Y.T., see Z.Y. Wang 7 (1988) 224
- Christou, A., see A. Georgakilas 7 (1989) 456
- Clemens, H., P. Ofner, G. Bauer, J.M. Hong and L.L. Chang, Epitaxial growth of PbTe on (100) GaAs substrates 7 (1988) 127
- Cocco, G., see G. Carturan 7 (1988) 47
- Cole-Hamilton, D., see S.J.C. Irvine 7 (1988) 25
- Coleman, J., see G.E. Fernández 7 (1988) 118
- Condrate Sr., R.A., see A. Bhargava 7 (1988) 185
- Condrate Sr., R.A., see A. Bhargava 7 (1988) 190
- Cooper, E.I., E.A. Giess and A. Gupta, Bismuth strontium calcium copper oxide high- T_c superconducting films from nitrate precursors 7 (1988) 5
- Coriasso, C., see D. Campi 7 (1988) 134
- Couach, M., see R. Chevrel 7 (1989) 425
- Cross, L.E., see K. Rittenmyer 7 (1989) 380
- Cumbrera, F.L., see A. Muñoz 7 (1988) 138
- Cumbrera, F.L., A. Dominguez-Rodriguez, F. Guiberteau and E. Fries, Analysis of the local excess density of dislocations in Y₂O₃-stabilized ZrO₂ by means of X-ray Berg-Barrett topography 7 (1988) 143
- Dafinova, R.I., see R.A. Petrova 7 (1988) 152
- Dallaire, S., see L. Parent 7 (1989) 367
- Das Sharma, A., see R.N. Basu 7 (1988) 75
- Das Sharma, A., see A. Sen 7 (1989) 433
- Date, S.K., see R.F. Shinde 7 (1988) 299
- Davies, D.K., see N.B. Singh 7 (1989) 397
- Davis, M.E., see T.H. Tiefel 7 (1989) 363
- Degener, J.K., see J.P. Singh 7 (1988) 72
- Din, S., K. Mahmood and M. Suleman, Effect of water adsorption on directional micro-hardness of α -SiC (0001) 7 (1988) 211
- Ding, B.Z., see D.X. Pang 7 (1988) 263
- Dobrilla, P., Optical determination of the etch pitch density in GaAs wafers 7 (1988) 78
- Dominguez-Rodriguez, A., see F.L. Cumbrera 7 (1988) 143
- Dosser, O.D., see S.J.C. Irvine 7 (1988) 25
- Dubots, P., see R. Chevrel 7 (1989) 425

Durham, J.A. and S.H. Risbud, Low silica calcium aluminate oxynitride glasses	7 (1988) 208
Dusek, J.T., see K.C. Goretta	7 (1988) 161
Edirisinghe, M.J., see J.G. Zhang	7 (1988) 15
Enzo, S., see G. Carturan	7 (1988) 47
Evans, J.R.G., see J.G. Zhang	7 (1988) 15
Fan, C., see N.Y. Jin	7 (1988) 278
Fasman, A.B., see E. Ivanov	7 (1988) 51
Fasman, A.B., see E. Ivanov	7 (1988) 55
Fastnacht, R.A., see T.H. Tiefel	7 (1989) 363
Feng, D., see Y. Yan	7 (1988) 32
Feng, D., see Y. Yan	7 (1989) 445
Fernández, G.E., R.P. Bryan, P.K. York and J. Coleman, Indium transients in the growth of InGaAs by metal-organic chemical vapor deposition, Mater. Letters 6 (1988) 409.	
Erratum	7 (1988) 118
Forbes, L., see H. Haddad	7 (1988) 99
Formaro, L., see S. Ardizzone	7 (1988) 83
Franzosi, P., M. Scaffardi, F. Genova, C. Rigo and A. Stano, Experimental study of misfit dislocations in InP-based heterostructures	7 (1989) 404
Fries, E., see F.L. Cumbrera	7 (1988) 143
Fu, T., see X. Zeng	7 (1989) 350
Galgali, R.K., see U. Syamaprasad	7 (1988) 197
Gallagher, P.K., see T.H. Tiefel	7 (1989) 363
Ganzerla, R., see G. Carturan	7 (1988) 47
Ge, Y.L., see M. Jiang	7 (1989) 449
Ge, Y.L., see M. Jiang	7 (1989) 453
Genevey, P., see R. Chevrel	7 (1989) 425
Genova, F., see P. Franzosi	7 (1989) 404
Georgakilas, A., Z. Hatsopoulos, A.A. Iliadis and A. Christou, Growth of $\text{In}_x\text{Ga}_{1-x}\text{As}$ on silicon by molecular beam epitaxy	7 (1989) 456
Georgiev, V.K., see L.I. Popova	7 (1988) 271
Germanova, K.G., see E.P. Valcheva	7 (1989) 465
Ghali, E., see Z. Qin	7 (1988) 149
Ghauri, I.M., see M.Z. Butt	7 (1989) 347
Giess, E.A., see E.I. Cooper	7 (1988) 5
Giessen, B.C., see P. Haldar	7 (1988) 1
Gipe, M.L., see P.E.R. Nordquist Jr.	7 (1989) 316
Glickman, M.E., see N.B. Singh	7 (1989) 397
Godard, J., see Z.Z. Li	7 (1988) 178
Golubkova, G., see E. Ivanov	7 (1988) 51
Golubkova, G., see E. Ivanov	7 (1988) 55
Goretta, K.C., I. Bloom, N. Chen, G.T. Goudey, M.C. Hash, G. Klassen, M.T. Lanagan, R.B. Poeppel, J.P. Singh, D. Shi, U. Balachandran, J.T. Dusek and D.W. Capone II, Calcination of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ powder	7 (1988) 161
Goretta, K.C., see D. Shi	7 (1989) 428

Gorman, R., see P.E.R. Nordquist Jr.	7 (1989) 316
Gottlieb, M., see N.B. Singh	7 (1989) 397
Goudey, G.T., see K.C. Goretta	7 (1988) 161
Goutzoulis, A., see N.B. Singh	7 (1989) 397
Grannec, J., see A. Yacoubi	7 (1989) 385
Green, A.G.J., I.V.F. Viney, J.W. Brightwell and B. Ray, Thermoluminescence emission spectra of single crystal CaS	7 (1988) 19
Greenberg, B., see M. Kaczinski	7 (1988) 261
Greenstein, M., see S.R. Stock	7 (1988) 87
Gregsom, P.J., see A.J. Shakesheff	7 (1989) 353
Grieb, B., see H.H. Stadelmaier	7 (1988) 155
Grigorieva, T., see E. Ivanov	7 (1988) 51
Grigorieva, T., see E. Ivanov	7 (1988) 55
Guiberteau, F., see F.L. Cumbreira	7 (1988) 143
Guilemany, J.Ma. and M. Llorca-Isern, Structure and some properties of austempered compacted iron (ACI)	7 (1989) 344
Gujrathi, S.C., C.X. Qiu, M.D.N. Lunney and I. Shih, Preliminary impurity analysis of CuInSe ₂ thin films using the elastic recoil detection method	7 (1988) 131
Gupta, A., see E.I. Cooper	7 (1988) 5
Gupta, C.K., see R. Prasad	7 (1988) 9
Haddad, H. and L. Forbes, Electrical activity of bulk stacking faults in silicon	7 (1988) 99
Hadjipanayis, G.C., see Y.P. Li	7 (1989) 330
Hails, J.E., see S.J.C. Irvine	7 (1988) 25
Haldar, P., A. Roig-Janicki, S. Sridhar and B.C. Giessen, A new intermediate- T_c oxide superconductor with a double perovskite structure: the "1-2-1" phase (Tl, Bi) ₁ (Sr, Ca) ₂ Cu ₁ O _{4.5+δ}	7 (1988) 1
Halimaoui, A., see L. Vescan	7 (1988) 94
Hanssen, L.M., W.A. Carrington, J.E. Butler and K.A. Snail, Diamond synthesis using an oxygen-acetylene torch	7 (1988) 289
Harmer, M.P., see Z.Y. Wang	7 (1988) 224
Hash, M.C., see K.C. Goretta	7 (1988) 161
Hatsopoulos, Z., see A. Georgakilas	7 (1989) 456
He, A.Q., see D.X. Pang	7 (1988) 263
Henig, E.-Th., see H.H. Stadelmaier	7 (1988) 155
Henningsen, T., see N.B. Singh	7 (1989) 401
Herino, R., see L. Vescan	7 (1988) 94
Herley, P.J., W. Jones and G.R. Millward, Ultra-fine particles of aluminium formed by electron-beam-induced decomposition of aluminium hydride	7 (1989) 441
Herman, H., see H.G. Wang	7 (1988) 69
Hill, H., see S.J.C. Irvine	7 (1988) 25
Hirrien, M., see R. Chevrel	7 (1989) 425
Hodes, G., see M. Schwartz	7 (1989) 411
Hong, J.M., see H. Clemens	7 (1988) 127
Hu, Z.Q., see X.P. Jiang	7 (1988) 250
Hu, Z.Q., see M. Jiang	7 (1989) 449
Hu, Z.Q., see M. Jiang	7 (1989) 453

- Hua, H.C., G.Y. Wang, C.H. Zheng, G.X. Huang, Q.Z. Xu, L.H. Wu and S.Y. Shi, Microstructure of melt-spun NdFeB magnet 7 (1988) 65
- Huang, G.X., see H.C. Hua 7 (1988) 65
- Huang, J.G., see X.P. Jiang 7 (1988) 250
- Huang, J.G., see M. Jiang 7 (1989) 449
- Huang, J.G., see M. Jiang 7 (1989) 453
- Huang, S., see Y. Yan 7 (1988) 32
- Iliadis, A.A., see A. Georgakilas 7 (1989) 456
- Irvine, S.J.C., H. Hill, O.D. Dosser, J.E. Hails, J.B. Mullin, D.V. Shenai-Khatkhate and D. Cole-Hamilton, Laser-induced epitaxial growth of CdTe 7 (1988) 25
- Ivanov, E., T. Grigorieva, G. Golubkova, V. Boldyrev, A.B. Fasman, S.D. Mikhailenko and O.T. Kalinina, Synthesis of nickel aluminides by mechanical alloying 7 (1988) 51
- Ivanov, E., T. Grigorieva, G. Golubkova, V. Boldyrev, A.B. Fasman, S.D. Mikhailenko and O.T. Kalinina, Raney nickel catalysts from mechanical Ni-Al alloys 7 (1988) 55
- Ivanov, E., V. Neverov, N. Jitnikov and V. Suppes, Nucleation of phases in Ni-Al deformed in Bridgman anvils 7 (1988) 57
- Jacob, K.T., see S.K. Ramasesha 7 (1988) 61
- Jacobs, P.R., see L.M. Smith 7 (1988) 22
- Jagannadham, K. and J. Narayan, Fracture behavior of laser-modified ceramic materials 7 (1989) 303
- Jardine, A.P., A shape memory effect swashplate heat engine 7 (1988) 102
- Jiang, K., see X. Zeng 7 (1989) 350
- Jiang, M., see X.P. Jiang 7 (1988) 250
- Jiang, M., J.S. Zhang, X.P. Jiang, J.G. Huang, X.F. Sun, Y.L. Ge and Z.Q. Hu, Epitaxial growth and refined substructures of pure iron, nickel and their alloys after laser treatment 7 (1989) 449
- Jiang, M., X.P. Jiang, J.G. Huang, X.F. Sun, J.S. Zhang, Y.L. Ge and Z.Q. Hu, Microstructures of laser clad iron-, nickel- and cobalt-base coatings 7 (1989) 453
- Jiang, X.P., J.S. Zhang, J.G. Huang, M. Jiang, G.W. Qiao, Z.Q. Hu and C.X. Shi, Study on solid state reaction process of the $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ compound 7 (1988) 250
- Jiang, X.P., see M. Jiang 7 (1989) 449
- Jiang, X.P., see M. Jiang 7 (1989) 453
- Jin, N.Y., C. Fan and D. Lin (T.L. Lin), The effects of thermal annealing on defect configurations in Si-GaAs 7 (1988) 278
- Jin, S., see T.H. Tiefel 7 (1989) 363
- Jitnikov, N., see E. Ivanov 7 (1988) 57
- Johnson, K.A., see R. Liepins 7 (1988) 44
- Johnson Jr., D.W., see T.H. Tiefel 7 (1989) 363
- Jones, A.C., see L.M. Smith 7 (1988) 22
- Jones, H., see J.A. Juarez-Islas 7 (1989) 322
- Jones, W., see P.J. Herley 7 (1989) 441
- Juarez-Islas, J.A. and H. Jones, The dependence of cell spacing on growth velocity and alloy concentration at high solidification front velocities 7 (1989) 322
- Kaczinski, M. and B. Greenberg, Semi-quantitative analysis for phases in the Y_2O_3 -BaO-CuO system 7 (1988) 261
- Kalinina, O.T., see E. Ivanov 7 (1988) 51

- Kalinina, O.T., see E. Ivanov 7 (1988) 55
- Kamgar, A., A model for the formation of subboundaries in recrystallized Si on SiO₂ 7 (1988) 35
- Kammlott, G.W., see T.H. Tiefel 7 (1989) 363
- Ke, W., see X.Y. Zhou 7 (1989) 473
- Khattak, C.P. and F. Schmid, Growth of near-net-shaped sapphire domes using the heat exchanger method 7 (1989) 318
- Khera, S.K., see R. Prasad 7 (1988) 9
- Kido, Y. and M. Suzuki, Direct formation of ferromagnetic MnBi layers with perpendicular magnetic anisotropy by ion beam mixing 7 (1988) 219
- Kim, C.S., see Z. Tomkowicz 7 (1989) 375
- Kishore, P.R., see T.F.S. Raj 7 (1988) 281
- Klassen, G., see K.C. Goretta 7 (1988) 161
- Kolev, D.I., see L.I. Popova 7 (1988) 271
- Kordas, G., see G. Moore 7 (1989) 415
- Kramer, S., see G. Moore 7 (1989) 415
- Kugimiya, K., Characterization of polished mirror surfaces by the "Makyoh" principle 7 (1988) 229
- Kung, J.H., see H.H. Yen 7 (1989) 334
- Lanagan, M.T., see K.C. Goretta 7 (1988) 161
- Lanagan, M.T., J.K. Yamamoto, A. Bhalla and S.G. Sankar, The dielectric properties of yttria-stabilized zirconia 7 (1989) 437
- Lee, W.H., see N. Yang 7 (1988) 243
- Lenarda, M., see G. Carturan 7 (1988) 47
- Lessoft, H., see P.E.R. Nordquist Jr. 7 (1989) 316
- Li, C. and S. Wen, A HREM observation of Mg-sialon polytypoids 7 (1988) 285
- Li, Q., see Y. Yan 7 (1989) 445
- Li, Y.P. and G.C. Hadjipanayis, Magnetic and structural studies in R-Ba-Cu-O superconductors made by rapid solidification 7 (1989) 330
- Li, Z.Z., A. Perrin, J. Padiou, M. Sergent and J. Godard, Physical film-substrate interactions in YBa₂Cu₃O_{7-x} thin films grown on (001) BaTiO₃ single crystals 7 (1988) 178
- Liao, K.J., see W.L. Wang 7 (1988) 268
- Liepins, R., K.P. Staudhammer, K.A. Johnson and M. Thomson, Shock-induced synthesis. I. Cubic boron nitride from ammonia borane 7 (1988) 44
- Lin, R.J. and P.T. Wu, Optimizing the annealing of Bi-Sr-Ca-Cu-O films 7 (1989) 371
- Lin, S.H., see J.R. Schoonover 7 (1988) 274
- Lin, D. (Lin, T.L.), see N.Y. Jin 7 (1988) 278
- Linke, D., see A. Yacoubi 7 (1989) 385
- Llorca-Isern, M., see J.Ma. Guilemany 7 (1989) 344
- Lu, B., see J. Zhou 7 (1989) 391
- Lunney, M.D.N., see S.C. Gujrathi 7 (1988) 131
- Luo, Y., see J. Zhou 7 (1989) 391
- Lutzkanov, J., see L.I. Popova 7 (1988) 271
- Mackenzie, J.D., see H. Zheng 7 (1988) 182
- Maeland, A.J., An alternative route to high-temperature ceramic superconductors of the type La_{2-x}M_xCuO₄ (M = Ca, Sr, Ba) 7 (1988) 13
- Mahmood, K., see S. Din 7 (1988) 211

Maiti, H.S., see R.N. Basu	7 (1988) 75
Maiti, H.S., see A. Sen	7 (1989) 433
Majumdar, B.S., see S.L. Swartz	7 (1989) 407
Malik, S.K., see R. Prasad	7 (1988) 9
Mallick, A.K., see E. Ruckenstein	7 (1988) 122
Marquez, R., see A. Muñoz	7 (1988) 138
Martinek, G., see G. Schneider	7 (1988) 215
Mateen, A. and S.A. Siddiqi, Preparation and scanning electron microscopy of fractured composites of glass fibre-reinforced polyurethane	7 (1988) 110
Mazelsky, R., see N.B. Singh	7 (1989) 397
Mazelsky, R., see N.B. Singh	7 (1989) 401
Mazza, D., Remarks on a ternary phase in the $\text{La}_2\text{O}_3\text{-Me}_2\text{O}_5\text{-Li}_2\text{O}$ system ($\text{Me}=\text{Nb,Ta}$)	7 (1988) 205
McDarmaid, D.S., see A.J. Shakesheff	7 (1989) 353
Mendiratta, M., see D.M. Bowden	7 (1988) 146
Metcalf, P.A., see W. Zhu	7 (1988) 247
Mikhailenko, S.D., see E. Ivanov	7 (1988) 51
Mikhailenko, S.D., see E. Ivanov	7 (1988) 55
Miles, S.J., see B.K. Tanner	7 (1988) 239
Miller, M.M., see W. Zhu	7 (1988) 247
Millward, G.R., see P.J. Herley	7 (1989) 441
Min, B.-J., H.-I. Yoo and Y.K. Park, Apparent chemical diffusivity in $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_x$	7 (1989) 325
Mitra, A., see R.F. Shinde	7 (1988) 299
Mo, P., see J. Wu	7 (1989) 395
Mohan, A., see R. Prasad	7 (1988) 9
Mohanty, B.C., see U. Syamaprasad	7 (1988) 197
Moore, G., S. Kramer and G. Kordas, Sol-gel processing of $\text{Y}_1\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ using alkoxide precursors: two systems yielding high degrees of thin film orientation and crystal growth	7 (1989) 415
Moreau, C., see L. Parent	7 (1989) 367
Mukaida, Y., see O. Yamaguchi	7 (1988) 158
Mullin, J.B., see S.J.C. Irvine	7 (1988) 25
Muñoz, A., F.L. Cumbreira and R. Marquez, Structural study by electron diffraction on amorphous $\text{Se}_{100-x}\text{Bi}_x$ films	7 (1988) 138
Mutsuddy, B.C., see S.L. Swartz	7 (1989) 407
Nair, K.U., see R. Prasad	7 (1988) 9
Narain, S., N.L. Wu and E. Ruckenstein, Optimum processing conditions for the purification of the $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ powder by the sedimentation method	7 (1988) 119
Narayan, J., see K. Jagannadham	7 (1989) 303
Neverov, V., see E. Ivanov	7 (1988) 57
Noël, D., see L. Parent	7 (1989) 367
Nordquist Jr., P.E.R., H. Lessoff, R. Gorman and M.L. Gipe, A eutectic hydroxide etch for $\beta\text{-SiC}$	7 (1989) 316
Ofner, P., see H. Clemens	7 (1988) 127
Orts, Ma.J., J.Ma. Rincón, E. Rivera and L.E. Celaya, SEM/EDX microanalysis of a $\text{Na}_2\text{O-CdO-SiO}_2$ glass-ceramic containing sulphur	7 (1988) 106

- Padiou, J., see Z.Z. Li 7 (1988) 178
- Panagopoulos, C. and H. Badekas, The mechanical behaviour of the Ti-TiO₂ system 7 (1988) 201
- Pang, D.X., J.T. Wang, A.Q. He and B.Z. Ding, Influence of quenching rate on the Curie temperature, resistivity, internal friction and structure of Fe-based amorphous alloys 7 (1988) 263
- Parent, L., C. Moreau, D. Noël, S. Dallaire and B. Champagne, Microstructural investigation of RBa₂Cu₃O_{7-δ} (R = Y, Gd, Nd) 7 (1989) 367
- Park, Y.K., see B.-J. Min 7 (1989) 325
- Patel, S.M. and M.C. Patil, Growth of AgGaTe₂ thin films 7 (1989) 338
- Patil, M.C., see S.M. Patel 7 (1989) 338
- Perio, A., see L. Vescan 7 (1988) 94
- Perrin, A., see Z.Z. Li 7 (1988) 178
- Peterson, G.G., see B.K. Tanner 7 (1988) 239
- Petrova, R.A., R.I. Dafinova and L.A. Saraivanov, The influence of the annealing temperature on the structure of X18AГ 20φ steel 7 (1988) 152
- Petzow, G., see G. Schneider 7 (1988) 215
- Pillai, P.K.C., see A. Tripathi 7 (1988) 234
- Poeppel, R.B., see J.P. Singh 7 (1988) 72
- Poeppel, R.B., see K.C. Goretta 7 (1988) 161
- Popova, L.I., V.K. Georgiev, D.I. Kolev and J. Lutzkanov, An IR study of thin tin dioxide films 7 (1988) 271
- Prasad, R., N.C. Soni, A. Mohan, S.K. Khera, K.U. Nair, C.K. Gupta, C.V. Tomy and S.K. Malik, Composites of superconducting YBa₂Cu₃O_{7-y} with silver 7 (1988) 9
- Qiao, G.W., see X.P. Jiang 7 (1988) 250
- Qin, Z., R. Angers and E. Ghali, Effect of rapid solidification processing on corrosion resistance of Cu-Ni-Cr alloys 7 (1988) 149
- Qiu, C.X., see S.C. Gujrathi 7 (1988) 131
- Raj, T.F.S. and P.R. Kishore, Dielectric anisotropy and electrohydrodynamic instabilities in nematic mixtures of EBBA and EBCA 7 (1988) 281
- Ramasesha, S.K. and K.T. Jacob, X-ray and IR characterisation of Nasicon solid solution, Na_{1+x}Zr₂Si_xP_{3-x}O₁₂ 7 (1988) 61
- Rappaport, M., see M. Schwartz 7 (1989) 411
- Ray, B., see A.G.J. Green 7 (1988) 19
- Reich, S., see M. Schwartz 7 (1989) 411
- Rhodes, W.W., see T.H. Tiefel 7 (1989) 363
- Rigo, C., see P. Franzosi 7 (1989) 404
- Rigsbee, J.M., see S.R. Stock 7 (1988) 87
- Rincón, J.Ma., see Ma.J. Orts 7 (1988) 106
- Risbud, S.H., see J.A. Durham 7 (1988) 208
- Rittenmyer, K., A.S. Bhalla and L.E. Cross, Electrostriction in fluoride perovskites 7 (1989) 380
- Rivera, E., see Ma.J. Orts 7 (1988) 106
- Roig-Janicki, A., see P. Haldar 7 (1988) 1
- Roy, J.N., see S. Basu 7 (1989) 359
- Ruckenstein, E., see S. Narain 7 (1988) 119
- Ruckenstein, E. and A.K. Mallick, The diffusion coefficient and the adsorption and desorption rate constants of oxygen in YBa₂Cu₃O_{6.9} 7 (1988) 122

- Ruckenstein, E. and N.-L. Wu, A two-step calcination method for preparing $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ powders 7 (1988) 165
- Ruckenstein, E., see N.-L. Wu 7 (1988) 169
- Ruckenstein, E., see C.T. Cheung 7 (1988) 172
- Sacks, R.N., see B.K. Tanner 7 (1988) 239
- Sankar, S.G., see M.T. Lanagan 7 (1989) 437
- Saraivanov, L.A., see R.A. Petrova 7 (1988) 152
- Sato, H., see W. Zhu 7 (1988) 247
- Scaffardi, M., see P. Franzosi 7 (1989) 404
- Schmid, F., see C.P. Khattak 7 (1989) 318
- Schneider, G., see H.H. Stadelmaier 7 (1988) 155
- Schneider, G., G. Martinek, H.H. Stadelmaier and G. Petzow, High magnetic coercivity due to a new phase in cast eutectic Fe-Nd alloys 7 (1988) 215
- Schoonover, J.R. and S.H. Lin, Time-resolved X-ray diffraction of solid-state reactions: the effect of atmosphere on product particle growth during CdCO_3 decomposition 7 (1988) 274
- Schwartz, M., M. Rappaport, G. Hodes, S. Reich and D. Cahen, Controlled room-temperature reduction of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$: a synthetic route to metastable superconducting phases 7 (1989) 411
- Seibt, E.W. and A. Zalar, Surface and interfacial studies of sintered $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ superconductors by Auger electron spectroscopy 7 (1988) 256
- Sen, A., see R.N. Basu 7 (1988) 75
- Sen, A., A. Das Sharma and H.S. Maiti, Creep of CuO-BaO melts along the container wall 7 (1989) 433
- Sen, S., see R.N. Basu 7 (1988) 75
- Sergent, M., see Z.Z. Li 7 (1988) 178
- Sergent, M., see R. Chevrel 7 (1989) 425
- Setty, M.S., see R.F. Shinde 7 (1988) 299
- Shakesheff, A.J., D.S. McDermid and P.J. Gregson, Effects of cooling rate and copper content on the properties of Al-Li-Cu-Mg-Zr alloy 8090 7 (1989) 353
- Shenai-Khatkhate, D.V., see S.J.C. Irvine 7 (1988) 25
- Sherwood, R.C., see T.H. Tiefel 7 (1989) 363
- Shi, C.X., see X.P. Jiang 7 (1988) 250
- Shi, D., see J.P. Singh 7 (1988) 72
- Shi, D., see K.C. Goretta 7 (1988) 161
- Shi, D. and K.C. Goretta, Swagged superconducting wires 7 (1989) 428
- Shi, S.Y., see H.C. Hua 7 (1988) 65
- Shigeta, H., see O. Yamaguchi 7 (1988) 158
- Shih, I., see S.C. Gujrathi 7 (1988) 131
- Shinde, R.F., A. Mitra, M.S. Setty and S.K. Date, Grain growth studies in thick films of cadmium oxide 7 (1988) 299
- Siddiqi, S.A., see A. Mateen 7 (1988) 110
- Singh, J.P., U. Balachandran, D. Shi, J.K. Degener and R.B. Poeppel, Observations of preferred orientation in high- T_c oxide superconductor tapes 7 (1988) 72
- Singh, J.P., see K.C. Goretta 7 (1988) 161
- Singh, N., see N.B. Singh 7 (1989) 401
- Singh, N.B., D.K. Davies, M. Gottlieb, A. Goutzoulis, R. Mazelsky and M.E. Glickman, On the quality of mercurous chloride crystals 7 (1989) 397

- Singh, N.B., T. Henningsen, R. Mazelsky and N. Singh, Growth and characterization of organic non-linear optical crystal: *m*-nitroaniline system 7 (1989) 401
- Singh, P., Structure and growth of MnSb and MnBi thin films 7 (1988) 293
- Skidmore, A., see S.L. Swartz 7 (1989) 407
- Smith, L.M., J. Thompson, A.C. Jones and P.R. Jacobs, MOCVD growth of CdTe and CdHgTe at 350°C using a new cadmium source 7 (1988) 22
- Smith, L.M. and J. Thompson, Low facet density (100) cadmium mercury telluride grown on (100) GaAs by MOCVD at 350°C 7 (1989) 461
- Snail, K.A., see L.M. Hanssen 7 (1988) 289
- Snyder, R.L., see A. Bhargava 7 (1988) 185
- Snyder, R.L., see A. Bhargava 7 (1988) 190
- Soni, N.C., see R. Prasad 7 (1988) 9
- Sridhar, S., see P. Haldar 7 (1988) 1
- Stadelmaier, H.H., E.-Th. Henig, G. Schneider and B. Grieb, $\text{Fe}_{17}\text{R}_2\text{C}_x$ (R=rare-earth metal) as interstitial compound 7 (1988) 155
- Stadelmaier, H.H., see G. Schneider 7 (1988) 215
- Stano, A., see P. Franzosi 7 (1989) 404
- Staudhammer, K.P., see R. Liepins 7 (1988) 44
- Stock, S.R., M. Greenstein and J.M. Rigsbee, X-ray diffraction topography of deformation accompanying laser drilling of silicon 7 (1988) 87
- Suleman, M., see S. Din 7 (1988) 211
- Sun, H., see Y. Yan 7 (1989) 445
- Sun, X.F., see M. Jiang 7 (1989) 449
- Sun, X.F., see M. Jiang 7 (1989) 453
- Suppes, V., see E. Ivanov 7 (1988) 57
- Suzuki, M., see Y. Kido 7 (1988) 219
- Swartz, S.L., B.S. Majumdar, A. Skidmore and B.C. Mutsuddy, Joining of zirconia ceramics with a $\text{CaO-TiO}_2\text{-SiO}_2$ interlayer 7 (1989) 407
- Syamaprasad, U., R.K. Galgali and B.C. Mohanty, Dielectric properties of the $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ system 7 (1988) 197
- Szytuła, A., see Z. Tomkowicz 7 (1989) 375
- Takemura, H., see O. Yamaguchi 7 (1988) 158
- Tanner, B.K., S.J. Miles, G.G. Peterson and R.N. Sacks, Measurement of aluminium concentration in GaAlAs epitaxial layers by double-axis X-ray diffraction 7 (1988) 239
- Thompson, J., see L.M. Smith 7 (1988) 22
- Thompson, J., see L.M. Smith 7 (1989) 461
- Thomson, M., see R. Liepins 7 (1988) 44
- Tiefel, T.H., S. Jin, R.C. Sherwood, M.E. Davis, G.W. Kammlott, P.K. Gallagher, D.W. Johnson Jr., R.A. Fastnacht and W.W. Rhodes, Grain-growth enhancement in the $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superconductor by silver-oxide doping 7 (1989) 363
- Tomkowicz, Z., M. Balanda, A. Bajorek, C.S. Kim, A. Szytuła and M. Turowska, Influence of different elements on the superconducting properties of the $\text{YBa}_2\text{Cu}_3\text{O}_x$ compound 7 (1989) 375
- Tomy, C.V., see R. Prasad 7 (1988) 9
- Tressaud, A., see A. Yacoubi 7 (1989) 385
- Tripathi, A., A.K. Tripathi and P.K.C. Pillai, Electrical conduction in a cellulose triacetate 7 (1988) 234
- Tripathi, A.K., see A. Tripathi 7 (1988) 234

- Turowska, M., see Z. Tomkowicz 7 (1989) 375
- Valcheva, E.P. and K.G. Germanova, Predeposition plasma treatment of InSb surface in PECVD SiO₂-InSb structures 7 (1989) 465
- Van de Ven, J., Selective photoetching of n-GaAs/ZnSe heterostructures 7 (1989) 468
- Vescan, L., G. Bomchil, A. Halimaoui, A. Perio and R. Herino, Low-pressure vapor-phase epitaxy of silicon on porous silicon 7 (1988) 94
- Viney, I.V.F., see A.G.J. Green 7 (1988) 19
- Wang, G.Y., see H.C. Hua 7 (1988) 65
- Wang, H.G. and H. Herman, Thermal expansion behavior of plasma sprayed cordierite 7 (1988) 69
- Wang, J.T., see D.X. Pang 7 (1988) 263
- Wang, P., see Y. Yan 7 (1989) 445
- Wang, W.L. and K.J. Liao, Influence of anode and cathode samples on the optical gap for a-Si:H/a-SiN_x:H multilayer films 7 (1988) 268
- Wang, Z.G., see X.Y. Zhou 7 (1989) 473
- Wang, Z.L., Surface structures and beam-induced metallic reduction in InP 7 (1988) 40
- Wang, Z.Y., M.P. Harmer and Y.T. Chou, Laser-induced controlled cracking in ceramic crystals 7 (1988) 224
- Wen, S., see C. Li 7 (1988) 285
- Wu, J. and P. Mo, Surface tension controlled growth of uniform GaAs crystals 7 (1989) 395
- Wu, L.H., see H.C. Hua 7 (1988) 65
- Wu, N.-L., see E. Ruckenstein 7 (1988) 165
- Wu, N.-L. and E. Ruckenstein, A new method for the preparation of the superconducting Tl₂CaBa₂Cu₂O₈ compound 7 (1988) 169
- Wu, N.L., see S. Narain 7 (1988) 119
- Wu, P.T., see N. Yang 7 (1988) 243
- Wu, P.T., see H.H. Yen 7 (1989) 334
- Wu, P.T., see R.J. Lin 7 (1989) 371
- Wung, S., see X. Zeng 7 (1989) 350
- Xu, Q.Z., see H.C. Hua 7 (1988) 65
- Yacoubi, A., J. Grannec, A. Tressaud and D. Linke, Crystal chemistry and structural phase transitions in oxyfluorides containing monovalent silver 7 (1989) 385
- Yamaguchi, O., Y. Mukaida, H. Shigeta, H. Takemura and M. Yamashita, Preparation of alkoxy-derived YVO₄ 7 (1988) 158
- Yamamoto, J.K., see M.T. Lanagan 7 (1989) 437
- Yamashita, M., see O. Yamaguchi 7 (1988) 158
- Yan, Y., D. Feng, Y. Zheng, R. Zhang and S. Huang, HREM observation of defects in VPE GaAs epilayer on Si(111) substrate 7 (1988) 32
- Yan, Y., Q. Li, D. Feng, P. Wang and H. Sun, HREM examination of Er ion implanted in Si 7 (1989) 445
- Yang, C.L., see N. Yang 7 (1988) 243
- Yang, N., W.H. Lee, C.L. Yang and P.T. Wu, Effect of alumina on the superconducting properties of BiSrCaCu₂O_y 7 (1988) 243
- Yang, X., see X. Zeng 7 (1989) 350

- Yen, H.H., J.H. Kung and P.T. Wu, Preparation of high- T_c superconducting Bi-Sr-Ca-Cu-O thick film by melting/quenching/annealing process 7 (1989) 334
- Yoo, H.-I., see B.-J. Min 7 (1989) 325
- York, P.K., see G.E. Fernández 7 (1988) 118
- Zalar, A., see E.W. Seibt 7 (1988) 256
- Zang, Q.S., see X.Y. Zhou 7 (1989) 473
- Zeng, X., T. Fu, K. Jiang, S. Wung and X. Yang, Characterization of Nd-Fe-B permanent magnet by Mössbauer spectroscopy 7 (1989) 350
- Zhan, Q., see J. Zhou 7 (1989) 391
- Zhang, J.G., M.J. Edirisinghe and J.R.G. Evans, Initial heating rate for binder removal from ceramic mouldings 7 (1988) 15
- Zhang, J.S., see X.P. Jiang 7 (1988) 250
- Zhang, J.S., see M. Jiang 7 (1989) 449
- Zhang, J.S., see M. Jiang 7 (1989) 453
- Zhang, R., see Y. Yan 7 (1988) 32
- Zheng, C.H., see H.C. Hua 7 (1988) 65
- Zheng, H. and J.D. Mackenzie, Superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ materials prepared at low temperature by sol-gel process 7 (1988) 182
- Zheng, Y., see Y. Yan 7 (1988) 32
- Zhou, J., Y. Luo, B. Lu and Q. Zhan, Interrelation between hole trap and certain electron traps in gallium arsenide 7 (1989) 391
- Zhou, X.Y., D.L. Cheng, W. Ke, Q.S. Zang and Z.G. Wang, Fractal characteristics of pitting under cyclic loading 7 (1989) 473
- Zhu, W., M.M. Miller, P.A. Metcalf, C.S. Calhoun and H. Sato, Preparation of superconducting films of Bi-Sr-Ca-Cu oxides by in-situ melting 7 (1988) 247

